

## NEW WORK ITEM PROPOSAL

Proposer <b>Secretary TC80</b>	Date of proposal <b>2000-08-14</b>
TC/SC <b>80</b>	Secretariat <b>UK</b>
Date of circulation <b>2000-08-25</b>	Closing date for voting <b>2000-11-30</b>

A proposal for a new work item within the scope of an existing technical committee or subcommittee shall be submitted to the Central Office. The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information. The proposer may be a National Committee of the IEC, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Committee of Action or one of the advisory committees, or the General Secretary. Guidelines for proposing and justifying a new work item are given in ISO/IEC Directives, Part 1, Annex C (see extract overleaf). **This form is not to be used for amendments or revisions to existing publications.**

**The proposal** (to be completed by the proposer)

**Title of proposal**

Maritime navigation and radiocommunication equipment and systems – Radar and radar plotting aids for small craft and non-SOLAS convention craft - Operational and performance standards, methods of testing and required test results

<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Technical Report
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**Scope** (as defined in ISO/IEC Directives, Part 3, 6.2.1)

To specify the minimum safe operational and performance requirements and methods of testing and required test results for small craft marine radar equipment where no existing International standard currently exists, taking into account the ITU radio regulations, other associated International standards and existing National standards as appropriate.

**Purpose and justification**, including the market relevance and relationship to Safety (Guide 104), EMC (Guide 107), Environmental aspects (Guide 109) and Quality assurance (Guide 102) . (attach a separate page as annex, if necessary)

Currently there are no International standards for these radar systems, therefore an International standard is required:

- to provide a minimum performance standard for radars for small and non-convention craft where no other standards apply
- to enable measurement of the emissions of such radars to show compliance with Appendix S3 of the International Radio Regulations, which define radiofrequency unwanted emissions from radars after 2003-01-01
- to test that the declared performance of such radars comply with minimum standards which ensure that such radars provide a safe aid to navigation and meet the manufacturers own declared objectives.

Note 1: Care should be taken when drafting this standard that future radar technology is not ruled out when drafting tests for current radar methods

Note 2: This standard should be drafted to enable equipment to meet the essential requirements of the European Radio and Telecommunications Terminal (RTTE) Directive

<b>Target date</b>	for first CD 2001-10-01.	for IS 2002-10-01
Estimated number of meetings 6	Frequency of meetings 4 per year	Date and place of first meeting: TBA
Proposed working methods	<input checked="" type="checkbox"/> E-mail	<input type="checkbox"/> ftp

**Relevant documents to be considered**

IEC 60936 series, IEC 60872 series, IEC 60945, IEC 61162 series, ITU Rec.RM1177, International RadioRegulations, and appropriate national regulations.

**Relationship of project to activities of other international bodies**

ITU Study Group 8 WP8B, & Study Group 1 TG1/5

**Liaison organizations**  
CIRM - ITU - RTCM

**Need for coordination within ISO or IEC**

<b>Preparatory work</b>	
Check one of the two following boxes	
<input type="checkbox"/> A draft is attached for vote and comment	<input checked="" type="checkbox"/> An outline is attached
We nominate a project leader as follows in accordance with ISO/IEC Directives, Part 1, 2.3.4 (name, address, fax and e-mail): Brian Ring, c/o JRC(UK) Ltd., 157-168 Blackfriars Rd, LONDON SE1 8EZ UK e-mail: brian.ring@jrcuk.co.uk	
<b>Concerns known patented items</b> (see ISO/IEC Directives, Part 2)	<b>Name and/or signature of the proposer</b>
<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	M. A. Rambaut
If yes, provide full information as an annex	

**Comments and recommendations from the TC/SC officers**

<b>Comments with respect to the proposal in general, and recommendations thereon</b>		
1) Work allocation <input type="checkbox"/> Project team <input type="checkbox"/> New working group <input type="checkbox"/> Existing working group no:		
2) Draft suitable for direct submission as <input type="checkbox"/> CD <input type="checkbox"/> CDV		
3) General quality of the draft (conformance with ISO/IEC Directives, Part 3) <input type="checkbox"/> Little redrafting needed <input type="checkbox"/> Substantial redrafting needed <input type="checkbox"/> no draft (outline only)		
4) Relationship with other activities In IEC   In other organizations		
<b>Other remarks</b>		
<b>Remarks from the TC/SC officers</b>		
<b>Remarks from the Sector Board</b>		

**Elements to be clarified when proposing a new work item****Title**

Indicate the subject matter of the proposed new standard.

Indicate whether it is intended to prepare a standard, a technical report or an amendment to an existing standard.

**Scope**

Give a clear indication of the coverage of the proposed new work item and, if necessary for clarity, exclusions.

Indicate whether the subject proposed relates to one or more of the fields of safety, EMC, the environment or quality assurance.

**Purpose and justification**

Give details based on a critical study of the following elements wherever practicable.

- The specific aims and reason for the standardization activity, with particular emphasis on the aspects of standardization to be covered, the problems it is expected to solve or the difficulties it is intended to overcome.
- The main interests that might benefit from or be affected by the activity, such as industry, consumers, trade, governments, distributors.
- Feasibility of the activity: Are there factors that could hinder the successful establishment or general application of the standard?
- Timeliness of the standard to be produced: Is the technology reasonably stabilized? If not, how much time is likely to be available before advances in technology may render the proposed standard outdated? Is the proposed standard required as a basis for the future development of the technology in question?
- Urgency of the activity, considering the needs of the market (industry, consumers, trade, governments etc.) as well as other fields or organizations. Indicate target date and, when a series of standards is proposed, suggest priorities.
- The benefits to be gained by the implementation of the proposed standard; alternatively, the loss or disadvantage(s) if no standard is established within a reasonable time. Data such as product volume or value of trade should be included and quantified.
- If the standardization activity is, or is likely to be, the subject of regulations or to require the harmonization of existing regulations, this should be indicated.

If a series of new work items is proposed, the purpose and justification of which is common, a common proposal may be drafted including all elements to be clarified and enumerating the titles and scopes of each individual item.

**Relevant documents**

List any known relevant documents (such as standards and regulations), regardless of their source. When the proposer considers that an existing well-established document may be acceptable as a standard (with or without amendments), indicate this with appropriate justification and attach a copy to the proposal.

**Cooperation and liaison**

List relevant organizations or bodies with which cooperation and liaison should exist.

**Preparatory work**

Indicate the name of the project leader nominated by the proposer.

## ANNEX

### Small Craft Radar Outline Specification

#### **1 Scope**

To specify the minimum safe operational and performance requirements and methods of testing and required test results for radar equipment and radar plotting aids for small craft and non-SOLAS convention craft where no existing International standard currently exists and no other standards are applicable

#### **2 Normative References**

International Radio Regulations  
ITU-R recommendation RM 1177  
etc.

#### **3 Definitions and abbreviations**

Small Craft  
Radar  
Radar plotting aid  
Non-SOLAS convention  
etc.

#### **4 Performance requirements**

Out of band and spurious emissions  
etc.

#### **5 Methods of testing and required test results**

- including environmental range  
etc.